<u>AMENDMENTS TO THE CLAIMS</u>

1.-52. (Cancelled)

53. (Currently Amended) A data transmission method for sequentially transmitting

~~data in packet units each containing~~ packets having transmission data from a transmitting end to

a receiving end, said method comprising:

transmitting an uncompressed packet ~~in which predetermined transmission data is stored~~

~~as~~ comprising uncompressed transmission data;

subsequently continuously transmitting compressed packets ~~in which at least a portion of~~

~~transmission data following the predetermined transmission data is compressed and stored as~~

comprising compressed transmission data;

forming the compressed data ~~data, via~~ to be comprised in the compressed packets using a

first compression process, ~~that is to be stored in any packet other than the uncompressed packet,~~

based on the uncompressed ~~transmission~~ data of the uncompressed packet and ~~transmission~~ data

~~of the packet~~ to be transmitted in the compressed packets; and

forming the compressed data to be comprised in the compressed packets using ~~that is to~~

~~be stored in any packet other than the uncompressed packet, via~~ a second compression process

different from said first compression process[[,]];

receiving a request from the receiving end according to a restoration error of restoring

compressed data included in the compressed packets at the receiving end; and

~~wherein when transmitting the transmission data in packet units,~~ switching between said

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first and said second compression processes depending on the request from the receiving end.

54. **(Currently Amended)** The data transmission method of Claim 53, wherein when ~~transmitting the transmission data in packet units, said first and said second compression processes are switched according to a restoration error occurrence of the compressed packet at the receiving end, thereby performing either of said first or said second compression process~~ a frequency of the restoration error at the receiving end exceeds a predetermined value, the request received from the receiving end is to perform the first compression process.

55. **(Currently Amended)** The data transmission method of Claim 53, further comprising:

receiving an error notification from the receiving end when an error occurs in a restoration process of restoring compressed data included in the compressed packet at the receiving end;

informing, when ~~the~~ a frequency of error notification exceeds a predetermined value, the receiving end to perform a first restoration process for said first compression process, and thereafter performing said first compression process; and

informing, when the frequency of error notification becomes equal to or smaller than the predetermined value, the receiving end to perform a second restoration process for said second compression process, and thereafter performing said second compression process.

56. (Currently Amended) The data transmission method of Claim 53, ~~further comprising:~~

~~receiving a request from the receiving end, when~~ wherein when ~~the~~ a frequency of the restoration error at the receiving end ~~which occurs in a restoration process of restoring compressed data included in the compressed packet~~ exceeds a predetermined value, the request received from the receiving end is to perform said first compression process; and

wherein ~~receiving a request from the receiving end, when~~ when the frequency of the restoration error at the receiving end ~~which occurs in the restoration process~~ becomes equal to or smaller than the predetermined value, the request received from the receiving end is to perform said second compression process.

57. (Currently Amended) A data reception method for receiving at a receiving end, ~~data in packet units each containing~~ packets having transmission data from a transmitting end, said method comprising:

receiving an uncompressed packet ~~in which predetermined transmission data is stored as~~ comprising uncompressed transmission data;

subsequently continuously receiving compressed packets ~~in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as~~ comprising compressed transmission data;

restoring ~~restoring, via~~ the compressed data of the compressed packets using a first restoration process, ~~transmission data of a compressed packet to be restored,~~ based on the

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uncompressed ~~transmission~~ data of the uncompressed packet and the compressed data included

in the compressed packets ~~packet to be restored~~;

restoring the compressed data of ~~stored in~~ the compressed packets ~~packet to be restored,~~

~~via~~ using a second restoration process different from said first restoration process ~~, and~~;

sending a request to the transmitting end according to a restoration error of restoring the

compressed data included in the compressed packets; and

switching between said first and said second restoration processes.

58. (Currently Amended)   The data reception method of Claim 57, wherein ~~switching~~

~~between said first and said second restoration processes is performed according to a restoration~~

~~error occurrence of the compressed packet, thereby performing either of said first or said second~~

~~restoration process~~ when a frequency of the restoration error which occurs in restoring

compressed data included in the compressed packets exceeds a predetermined value, the request

sent to the transmitting end is to perform a first compression process for the first restoration

process.

59. (Currently Amended) The data reception method of Claim 57, further comprising:

notifying the transmitting end when an error occurs in restoring compressed data included

in the compressed packet;

receiving notification from the transmitting end, when ~~the~~ a frequency of error

notification exceeds a predetermined value, to perform said first restoration process; and

receiving notification from the transmitting end, when the frequency of error notification becomes equal to or smaller than the predetermined value, to perform said second restoration process.

60. (Currently Amended) The data transmission method of Claim 57, ~~further comprising:~~

~~sending a request to the transmitting end, when~~wherein when a ~~the~~ frequency of the restoration error ~~which occurs in restoring compressed data included in the compressed packet~~ exceeds a predetermined value, the request sent to the transmitting end is to perform a first compression process for said first restoration process; and

~~sending a request to the transmitting end, when~~wherein when the frequency of the restoration error ~~which occurs in restoring compressed data included in the compressed packet~~ becomes equal to or smaller than the predetermined value, the request sent to the transmitting end is to perform a second compression process for said second restoration process.

61. (Currently Amended) A data transmission apparatus for sequentially transmitting ~~data in packet units each containing~~ packets having transmission data from a transmitting end to a receiving end, said apparatus comprising:

a transmission unit operable to transmit an uncompressed packet ~~in which predetermined transmission data is stored as~~ comprising uncompressed transmission data, and then to continuously transmit compressed packets ~~in which at least a portion of transmission data~~

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following the predetermined transmission data is compressed and stored as comprising compressed transmission data; and

a formation unit operable to form a first type of compressed data to be comprised in the compressed packets that is to be stored in any packet other than uncompressed packet, based on the uncompressed transmission data of the uncompressed packet and transmission data of the packet to be transmitted in the compressed packets, and to form a second type of compressed data that is to be comprised in the compressed packets, said second type of compressed data being stored in any packet other than uncompressed packet and that is different from said than the first type of compressed data[[,]]; and

a reception unit operable to receive a request from the receiving end according to a restoration error of restoring compressed data included in the compressed packets at the receiving end,

wherein when transmitting the transmission data in packet units, said packet formation unit is operable to switch between forming the first type of data and forming the second type of data depending on the request from the receiving end.

62. (Currently Amended)   The data transmission apparatus of Claim 61, further comprising a decision unit operable to instruct said formation unit to switch between forming the first type of data and forming the second type of data according to a restoration error occurrence of the compressed packet at the receiving end, thereby forming either of said first or said second type of data wherein when a frequency of the restoration error at the receiving end exceeds a

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predetermined value, the request received by the reception unit from the receiving end is for said formation unit to form said first type of data.

63. (Currently Amended) The data transmission apparatus of Claim 61, further comprising:

an error notification reception unit operable to receive an error notification when an error occurs in a restoration process of restoring compressed data included in the compressed packet at the receiving end,

wherein when ~~the~~ a frequency of error notification exceeds a predetermined value, said transmission unit informs the receiving end to perform a first restoration process for the first type of data and thereafter said formation unit forms the first type of data, and

wherein when the frequency of error notification becomes equal to or smaller than the predetermined value, said transmission unit informs the receiving end to perform a second restoration process for the second type of data and, thereafter said formation unit forms the second type of data.

64. (Currently Amended) The data transmission apparatus of Claim 61, ~~further comprising:~~

~~an error notification reception unit operable to receive a request from the reception end,~~ ~~when~~ wherein when a ~~the~~ frequency of the restoration error ~~which occurs in a restoration process~~ ~~of restoring compressed data included in the compressed packet~~ exceeds a predetermined value,

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the request received by the reception unit from the receiving end is for said formation unit to form the first type of data, and

wherein ~~said error notification reception unit is further operable to, when~~ when the frequency of the restoration error ~~which occurs in the restoration process~~ becomes equal to or smaller than the predetermined value, the request received by the reception unit from the receiving end ~~receive a request from the reception end~~ is for said formation unit to form the second type of data.

65. (Currently Amended) A data reception apparatus for receiving ~~data that is transmitted in packet units~~ packets having transmission data from a transmitting end, said apparatus comprising:

a reception unit operable to receive an uncompressed packet ~~in which predetermined transmission data is stored as~~ comprising uncompressed transmission data, and then to continuously receive compressed packets ~~in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as~~ comprising compressed transmission data; ~~and~~

a restoration unit operable to perform a first restoration process of restoring ~~transmission data of a compressed packet to be restored~~ the compressed data of the compressed packets, based on the uncompressed ~~transmission~~ data of the uncompressed packet and the compressed data included in the compressed ~~packets packet~~ to be restored, and to perform a second restoration process, different from said first restoration process, of restoring the compressed data ~~of stored in~~

the compressed packets ~~packet to be restored~~[[,]]; and

a sending unit operable to send a request to the transmitting end according to a restoration

error of restoring the compressed data included in the compressed packets,

wherein said restoration unit is operable to switch between performing the first and the

second restoration processes.

66. (Currently Amended) The data reception apparatus of Claim 65, wherein ~~said~~

~~restoration switches between the first and the second restoration processes according to a~~

~~restoration error occurrence of the compressed packet, thereby performing either of the first or~~

~~the second restoration process~~ when a frequency of the restoration error which occurs in restoring

compressed data included in the compressed packets exceeds a predetermined value, the request

sent by said sending unit to the transmitting end is a request to perform a first compression

process for the first restoration process.

67. (Currently Amended) The data reception apparatus of Claim 65, further

comprising:

an error notification transmission unit operable to notify the transmitting end when an

error occurs during restoring compressed data included in the compressed packet,

wherein when ~~the~~ a frequency of error notification exceeds a predetermined value, said

restoration unit is operable to receive an instruction to perform the first restoration process, and

wherein when the frequency of error notification becomes equal to or smaller than the

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predetermined value, said restoration unit is operable to receive an instruction to perform the

second restoration process.

68. (Currently Amended)   The data reception apparatus of Claim 65, ~~further~~

~~comprising:~~

~~an error notification transmission unit operable to request, when~~ wherein when ~~the~~ a

frequency of the restoration error ~~which occurs during restoring compressed data included in the~~

~~compressed packet~~ exceeds a predetermined value, the request sent by said sending unit to the

transmitting end is to perform a first compression process for the first restoration process, and

wherein ~~said error notification transmission unit is further operable to request, when~~

when the frequency of the restoration error ~~which occurs during restoring compressed data~~

becomes equal to or smaller than the predetermined value, the request sent by the sending unit to

the transmitting end is to perform a second compression process for the second restoration

process.